



Alinta Cogeneration (Wagerup) Pty Ltd

Post ERA Operational Audit and Asset Management System Review

Action Plan

2013

Table 1 - Status of Previous Action Plan

Rec. No.	Ref	Recommendation	Previous Audit Action Plan	Status	Revised action plan (if applicable)
Existing Actions Status from Last Operational Audit and AMS Review					
3/08	All	Integration of Alinta Wagerup cogeneration units into Alcoa's regular operations and maintenance systems be given more urgency to address the long term sustainability of the units' availability and reliability.	<p>Alinta continue to work with Alcoa for the integration of the Wagerup cogeneration units to Alcoa's operations and maintenance systems.</p> <p>The highest risk areas are being action as a priority.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: June 2011.</p> <p>Six monthly basis thereafter until completion.</p>	<p>On-going</p> <p>Alcoa is continuing to integrate the Wagerup facility into its operations and maintenance systems.</p> <p>Alcoa has set up a dedicated maintenance day for the two units.</p>	<p>Alinta continue to work with Alcoa for the integration of the Wagerup cogeneration units to Alcoa's operations and maintenance systems.</p> <p>The highest risk areas are being actioned as a priority.</p> <p>Responsible Person: Alinta Energy Engineering Manager</p> <p>Target Date:</p> <p>Six monthly basis until completion.</p>
4/08	All	<p>Alinta consult with Alcoa to ensure that the Alcoa Powerhouse Asset Strategies:</p> <ul style="list-style-type: none"> Accommodate each of the 12 key processes in the asset management life-cycle Where appropriate, refer to existing Alinta and/or Alcoa asset planning and management processes and procedures, as they apply to powerhouse assets. 	<p>Alinta will continue to liaise with Alcoa to finalise the Asset Life Cycle Management Plan.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: March 2011</p>	<p>Completed</p> <p>New SAMP being developed. Refer to issue 3/13 in this report.</p>	Refer to issue 3/13 in this report.
6/08	2(e)	Further to Alcoa's records and systems, Alinta establish and maintain a full record and understanding of its legal requirements as an electricity generation and transmission asset owner.	<p>Alinta will convert the gap analysis into a scheduled action plan.</p> <p>Responsible Person: HSSE Manager</p> <p>Target Date: June 2011</p>	<p>In progress</p> <p>Alinta has drafted the compliance manual.</p> <p>Refer to issue 2/13 in this report.</p>	Refer to issue 2/13 in this report.
8/08	5(a)	Alinta prioritise and fund the development of operational policies procedures for auxiliary	Alinta will monitor Alcoa's progress for the development	<p>In progress</p> <p>Operational procedures are</p>	Alinta will monitor Alcoa's progress for the

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		equipment.	<p>of operational procedures to ensure staged completion in accordance with priorities.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: June 2011</p>	<p>currently being developed for Wagerup auxiliary assets.</p> <p>Alcoa continues to review generation processes for any additional policies and procedures that may supplement those completed.</p>	<p>development of operational procedures to ensure staged completion in accordance with priorities.</p> <p>Responsible Person: Alinta Energy Engineering Manager</p> <p>Target Date: June 2014</p>
10/08	6(d)	<p>(a) An appropriate resolution be determined for the Wagerup Cogeneration demineralization plant</p> <p>(b) Alinta and Alcoa review the levels of priority and attention given to the Wagerup cogeneration assets</p>	<p>Alinta will continue to monitor the work being conducted on the demineralisation plant at the Wagerup facility.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: March 2011</p>	<p>Completed</p> <p>The plant is fully functional.</p>	N/A
1/10		<p>Asset Planning</p> <p><i>1 (h) Plans are regularly reviewed and updated</i></p> <p>Alinta finalise and formally approve the Wagerup Power Station Asset Life Plan.</p>	<p>Alinta finalise and formally approve the Wagerup Power Station Asset Life Plan.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: March 2011</p>	<p>Completed</p> <p>Alinta has finalised the latest revision of the Wagerup Power Station Asset Life Plan. This is now replaced by the SAMP.</p>	N/A
2/10		<p>Asset disposal</p> <p><i>3(c) Disposal alternatives are evaluated</i></p> <p>Alinta should:</p> <ul style="list-style-type: none"> Finalise the development of the closure plan and associated costs for Wagerup generation facilities Develop and formally implement a Decommission Protocol specifically tailored to its generation assets 	<p>Alinta will:</p> <ul style="list-style-type: none"> Finalise the development of the closure plan and associated costs for Wagerup generation facilities. Develop and formally implement a Decommission Protocol specifically tailored to its generation assets. 	<p>Completed</p> <p>Alinta has completed the plant closure cost study with the closure plan developed and issued.</p> <p>Alinta has developed and issued the Plant Decommissioning Policy.</p>	N/A

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			Responsible Person: Manager Operations Target Date: June 2011		
3/10		Review of the AMS <i>12(b) Independent reviews (e.g. internal audit) are performed of the asset management system</i> Alinta should: <ul style="list-style-type: none"> Schedule an independent review of the asset management system Update the Wagerup Power Station Asset Life Plan to reflect the requirement for an independent review to be conducted. 	Alinta will: <ul style="list-style-type: none"> Schedule an independent review of the asset management system Update the Wagerup Power Station Asset Life Plan to reflect the requirement for an independent review to be conducted. Responsible Person: Manager Operations Target Date: June 2011	In progress Refer to issue 3/13 in this report.	Refer to issue 3/13 in this report. Responsible Person Alinta Energy Engineering Manager Target Date March 2014

Table 2 - New Actions

Ref	Key Processes	Issue	Recommendation	Post-Review Action Plan	Person Responsible/ Date of Implementation
New Actions					
1/13	Asset Planning	Alinta has established a new plan called Wagerup Power Station Strategic Asset Management Plan (SAMP). This plan is still in draft and is replacing the previous Wagerup Power Station Asset Life Plan. The SAMP has not been approved and presently is established as an uncontrolled copy without dissemination of information to the other personnel.	The Wagerup Power Station SAMP needs to be approved and disseminated. A reporting system is to be established to measure and monitor actual against the plans.	Alinta will complete the approval process of the Wagerup Power Station SAMP and implement accordingly. <i>Auditor Comment:</i> <i>(Unverified confirmation of completion of this action was provided after the close of this audit. Outstanding ACTION is verification only)</i>	Alinta Energy Engineering Manager / January 2014
2/13	Environmental Analysis	Alinta utilise a Compliance Manual that appears to have minor errors. The manual has been reviewed but does not appear to have been finalised for distribution and compliance.	The compliance manual needs to be audited for accuracy, approved and issued for compliance and monitoring.	Alinta to finalise and formally approve the Compliance Manual with monitoring facility in place.	Alinta Energy Manager Generation Operations WA / November 2013
3/13	Review of AMS	There is no independent review of the Asset Management System which Alinta referred to as the <i>Wagerup Power Station SAMP</i> . This was recommended in the previous audit issue 3/10.	The Licensee should ensure that an independent review/audit is conducted of the Asset Management System. This should be reflected in the Wagerup Power Station SAMP as a documented requirement.	Alinta to schedule an independent review/audit of the Wagerup Power Station SAMP. Alinta to update audit/review process in the <i>Wagerup Power Station SAMP</i> . <i>Auditor comment:</i> <i>(Unverified confirmation that previous independent audit of the SAMP was carried out FY2012 and is rescheduled for FY2014 was provided after the close of this audit. Outstanding ACTION is verification only)</i>	Alinta Energy Engineering Manager / March 2014